

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
21 April 2005 (21.04.2005)

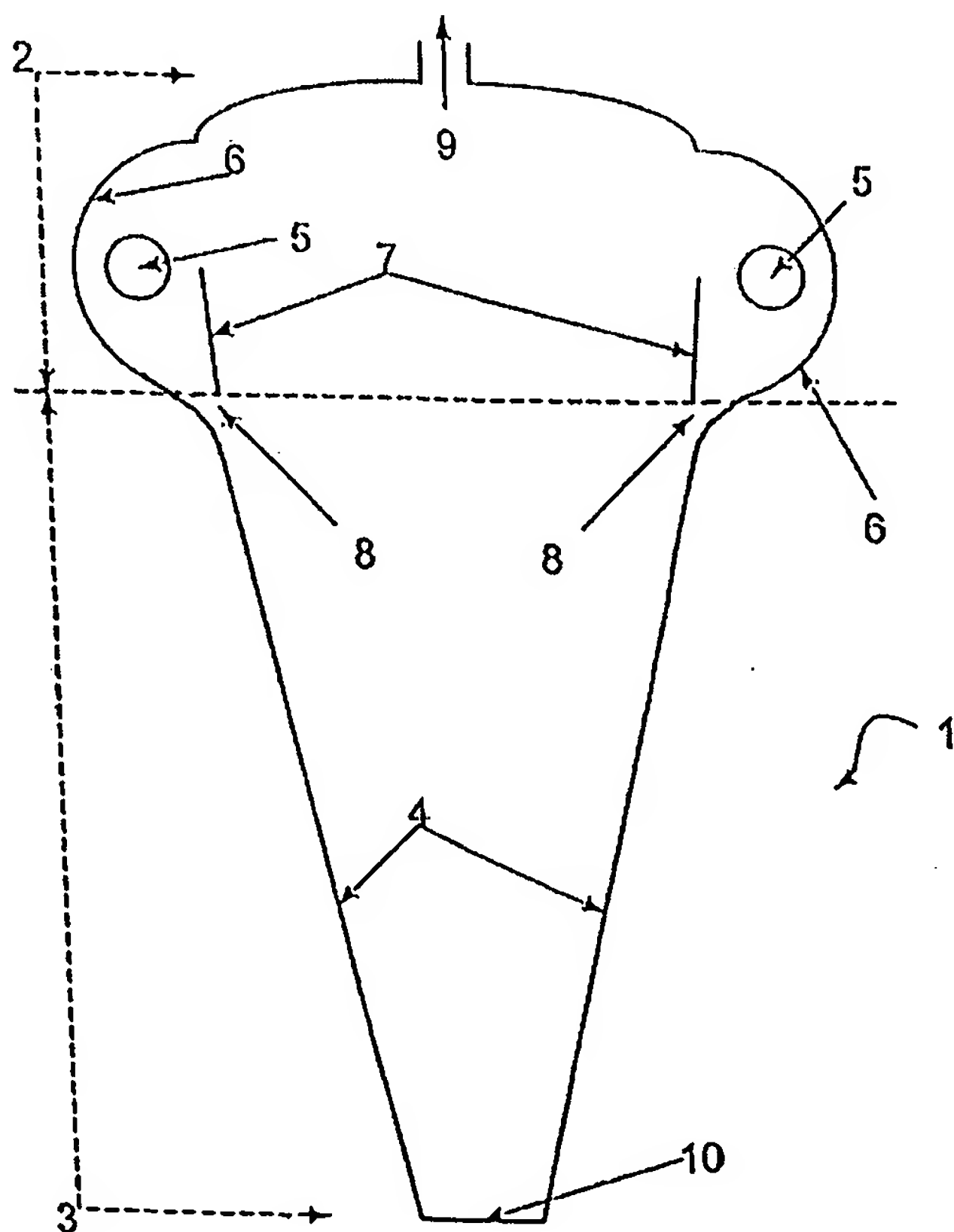
PCT

(10) International Publication Number
WO 2005/034612 A1

- (51) International Patent Classification: A01J 5/00, 11/00, 11/04, 19/00
- (21) International Application Number: PCT/NZ2004/000249
- (22) International Filing Date: 12 October 2004 (12.10.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 528893 13 October 2003 (13.10.2003) NZ
- (71) Applicant (for all designated States except US): ELIMINATOR HOLDINGS LIMITED [NZ/NZ]; PO Box 5538, HAMILTON, 2001 (NZ).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): MASON, Rex, Allan [NZ/NZ]; 3 Lorraine Place, Hamilton, 2001 (NZ).
- (74) Agents: WILSON, Kathryn, S? et al.: Private Bag 3140, Level 12, KPMG Centre, 85 Alexandra Street, Hamilton, 2001 (NZ).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

(54) Title: AN IMPROVED FLUID TREATMENT SYSTEM



(57) Abstract: According to one aspect of the present invention there is provided an improved fluid treatment system, including a low-pressure source, where the low-pressure source imparts a low pressure to at least part of the internal volume of the improved fluid treatment system, and at least one fluid inlet (5), and a primary chamber (2), wherein the primary chamber (2) contains at least one baffle (7) adapted to control the flowrate of fluid out of the primary chamber (2), and, a secondary chamber (3), wherein the secondary chamber (3) defines at least one inclined surface (4), and at least one fluid outlet (10), characterised in that, fluid entering from the fluid inlet (5) is pooled between the primary chamber (2) wall and the baffle (7) before flowing out of the primary chamber (2) past the baffle (7) to form a thin film laminar flow on at least part of the surface of the secondary chamber (3) to remove at least part of the gas entrained within the fluid.

WO 2005/034612 A1



FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

— before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.